

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709296

Luminaire Tested: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709296
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-4, G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7870.4 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.16
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

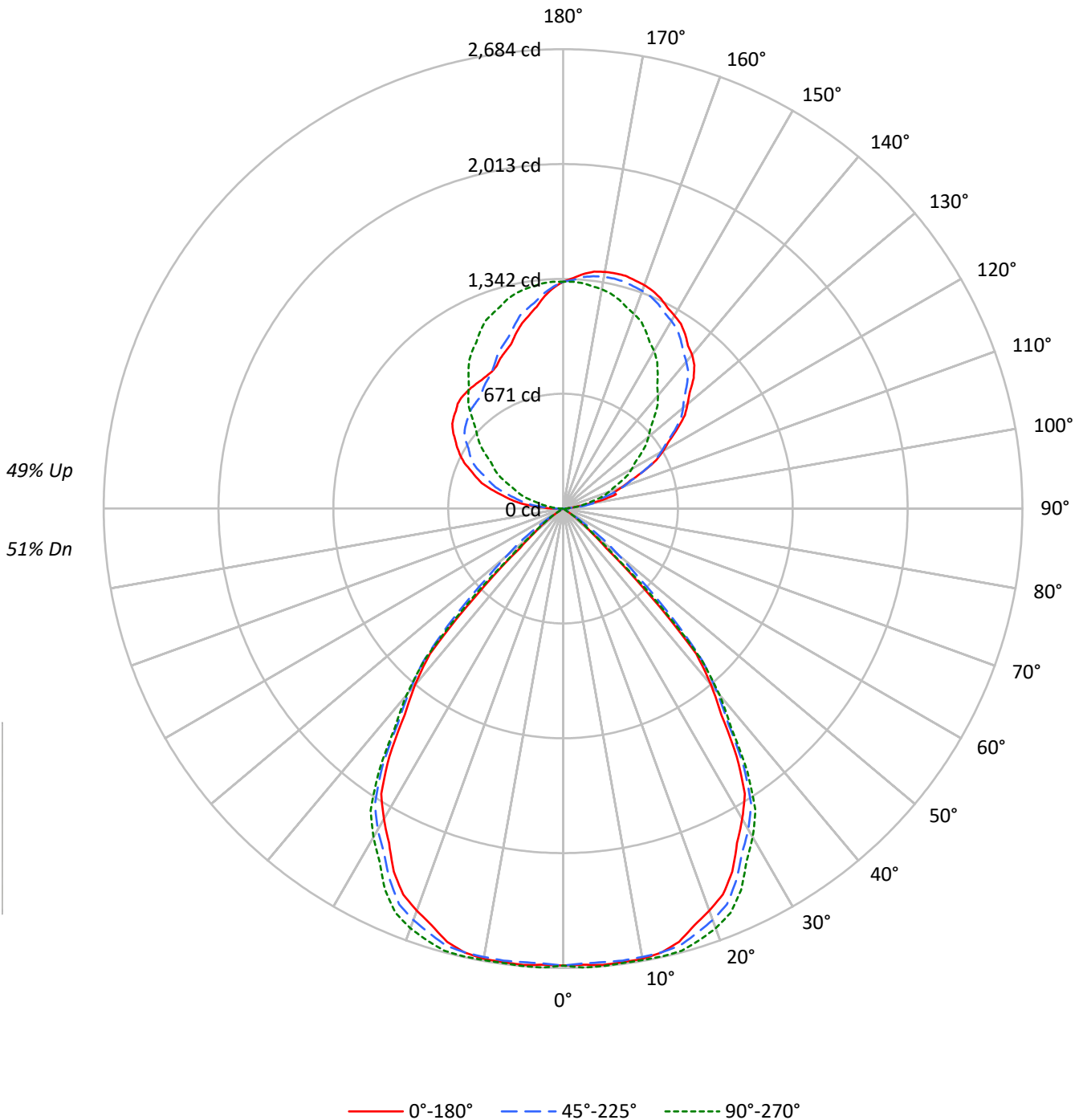
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709296

CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709296

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | | | | |
| 1 | 100 | 96 | 93 | 90 | 92 | 89 | 87 | 84 | 76 | 75 | 73 | 64 | 63 | 62 | 53 | 53 | 52 | 47 | | | | |
| 2 | 93 | 87 | 82 | 77 | 86 | 81 | 76 | 73 | 69 | 66 | 64 | 59 | 57 | 55 | 50 | 48 | 47 | 43 | | | | |
| 3 | 86 | 78 | 72 | 67 | 80 | 73 | 68 | 63 | 63 | 59 | 56 | 54 | 52 | 49 | 46 | 44 | 43 | 39 | | | | |
| 4 | 80 | 71 | 64 | 59 | 74 | 66 | 60 | 56 | 58 | 53 | 50 | 50 | 47 | 44 | 43 | 40 | 39 | 35 | | | | |
| 5 | 74 | 64 | 57 | 52 | 69 | 60 | 54 | 49 | 53 | 48 | 45 | 46 | 42 | 40 | 39 | 37 | 35 | 32 | | | | |
| 6 | 69 | 58 | 51 | 46 | 64 | 55 | 49 | 44 | 48 | 44 | 40 | 42 | 39 | 36 | 37 | 34 | 32 | 29 | | | | |
| 7 | 64 | 53 | 46 | 41 | 60 | 50 | 44 | 40 | 45 | 40 | 36 | 39 | 35 | 33 | 34 | 31 | 29 | 27 | | | | |
| 8 | 60 | 49 | 42 | 37 | 56 | 46 | 40 | 36 | 41 | 36 | 33 | 36 | 33 | 30 | 32 | 29 | 27 | 25 | | | | |
| 9 | 56 | 45 | 38 | 34 | 53 | 43 | 37 | 33 | 38 | 33 | 30 | 34 | 30 | 27 | 30 | 27 | 25 | 23 | | | | |
| 10 | 53 | 42 | 35 | 31 | 49 | 40 | 34 | 30 | 35 | 31 | 27 | 31 | 28 | 25 | 28 | 25 | 23 | 21 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 43109 | 43109 | 43109 | 43109 | 43109 |
| 5° | 43371 | 43114 | 43485 | 43114 | 43371 |
| 10° | 43791 | 43613 | 43906 | 43613 | 43791 |
| 15° | 43794 | 44175 | 44714 | 44175 | 43794 |
| 20° | 42936 | 43943 | 44828 | 43943 | 42936 |
| 25° | 41685 | 42663 | 43823 | 42663 | 41685 |
| 30° | 39036 | 40366 | 41311 | 40366 | 39036 |
| 35° | 34901 | 36312 | 37010 | 36312 | 34901 |
| 40° | 28359 | 29491 | 30024 | 29491 | 28359 |
| 45° | 16401 | 20586 | 18274 | 20586 | 16401 |
| 50° | 5328 | 10763 | 5830 | 10763 | 5328 |
| 55° | 2083 | 3835 | 2027 | 3835 | 2083 |
| 60° | 32 | 1058 | 161 | 1058 | 32 |
| 65° | 0 | 69 | 0 | 69 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 20667 cd/sqm

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CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 255.2 | 3.2 |
| 10°-20° | 746.2 | 9.5 |
| 20°-30° | 1099.9 | 14.0 |
| 30°-40° | 1126.3 | 14.3 |
| 40°-50° | 649.0 | 8.2 |
| 50°-60° | 113.5 | 1.4 |
| 60°-70° | 4.3 | 0.1 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 7.1 | 0.1 |
| 90°-100° | 105.4 | 1.3 |
| 100°-110° | 307.9 | 3.9 |
| 110°-120° | 502.1 | 6.4 |
| 120°-130° | 637.2 | 8.1 |
| 130°-140° | 681.7 | 8.7 |
| 140°-150° | 636.5 | 8.1 |
| 150°-160° | 523.7 | 6.7 |
| 160°-170° | 351.2 | 4.5 |
| 170°-180° | 124.7 | 1.6 |
| 0°-30° | 2101.3 | 26.7 |
| 0°-40° | 3227.6 | 41.0 |
| 0°-60° | 3990.0 | 50.7 |
| 0°-90° | 4001.5 | 50.8 |
| 90°-120° | 915.4 | 11.6 |
| 90°-150° | 2870.9 | 36.5 |
| 90°-180° | 3870.0 | 49.2 |
| 0°-180° | 7870.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2670 | 2670 | 2670 | 2670 | 2670 | |
| 5° | 2676 | 2660 | 2683 | 2660 | 2676 | 255 |
| 15° | 2620 | 2643 | 2675 | 2643 | 2620 | 735 |
| 25° | 2340 | 2395 | 2460 | 2395 | 2340 | 1068 |
| 35° | 1771 | 1842 | 1878 | 1842 | 1771 | 1087 |
| 45° | 718 | 902 | 800 | 902 | 718 | 565 |
| 55° | 74 | 136 | 72 | 136 | 74 | 76 |
| 65° | 0 | 2 | 0 | 2 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 2 |
| 90° | 28 | 26 | 4 | 36 | 63 | 13 |
| 95° | 31 | 40 | 41 | 136 | 181 | 51 |
| 105° | 321 | 234 | 196 | 350 | 434 | 295 |
| 115° | 522 | 519 | 373 | 556 | 638 | 514 |
| 125° | 818 | 796 | 553 | 694 | 785 | 729 |
| 135° | 1079 | 1024 | 752 | 779 | 869 | 826 |
| 145° | 1244 | 1200 | 964 | 828 | 888 | 777 |
| 155° | 1353 | 1317 | 1144 | 940 | 919 | 623 |
| 165° | 1408 | 1373 | 1264 | 1104 | 1060 | 397 |
| 175° | 1376 | 1358 | 1322 | 1264 | 1245 | 132 |
| 180° | 1325 | 1325 | 1325 | 1325 | 1325 | |

TEST NUMBER: P709296

CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 |
| 2.5° | 2667.6 | 2671.9 | 2676.1 | 2670.0 | 2660.4 | 2660.2 | 2669.5 | 2677.2 | 2680.4 | 2683.6 | 2680.4 |
| 5° | 2676.0 | 2680.5 | 2684.9 | 2675.3 | 2661.1 | 2659.1 | 2669.3 | 2677.7 | 2680.4 | 2683.0 | 2680.4 |
| 7.5° | 2672.6 | 2677.7 | 2682.8 | 2675.6 | 2664.4 | 2662.8 | 2670.7 | 2676.8 | 2677.4 | 2678.0 | 2677.4 |
| 10° | 2671.0 | 2675.0 | 2679.0 | 2671.3 | 2659.8 | 2660.5 | 2673.3 | 2682.5 | 2680.2 | 2678.0 | 2680.2 |
| 12.5° | 2656.6 | 2662.4 | 2668.2 | 2662.8 | 2653.7 | 2658.5 | 2677.1 | 2689.8 | 2684.7 | 2679.6 | 2684.7 |
| 15° | 2620.0 | 2627.1 | 2634.2 | 2636.0 | 2636.0 | 2649.6 | 2676.7 | 2694.6 | 2684.8 | 2675.0 | 2684.8 |
| 17.5° | 2552.6 | 2562.1 | 2571.6 | 2580.7 | 2589.7 | 2611.3 | 2645.4 | 2668.1 | 2656.6 | 2645.0 | 2656.6 |
| 20° | 2498.9 | 2509.2 | 2519.4 | 2531.6 | 2544.5 | 2570.5 | 2609.7 | 2635.7 | 2622.3 | 2609.0 | 2622.3 |
| 22.5° | 2440.5 | 2450.8 | 2461.0 | 2474.5 | 2489.2 | 2516.5 | 2556.3 | 2582.9 | 2570.0 | 2557.0 | 2570.0 |
| 25° | 2339.9 | 2351.4 | 2363.0 | 2372.9 | 2382.2 | 2407.4 | 2448.3 | 2476.8 | 2468.4 | 2459.9 | 2468.4 |
| 27.5° | 2201.8 | 2212.2 | 2222.6 | 2237.5 | 2253.9 | 2277.9 | 2309.7 | 2332.2 | 2327.3 | 2322.3 | 2327.3 |
| 30° | 2093.8 | 2106.7 | 2119.6 | 2136.1 | 2153.9 | 2176.4 | 2203.5 | 2223.0 | 2219.4 | 2215.8 | 2219.4 |
| 32.5° | 1977.0 | 1989.1 | 2001.3 | 2018.0 | 2036.1 | 2055.0 | 2074.7 | 2089.7 | 2091.2 | 2092.6 | 2091.2 |
| 35° | 1770.7 | 1784.0 | 1797.3 | 1815.4 | 1834.9 | 1849.6 | 1859.4 | 1867.9 | 1872.8 | 1877.7 | 1872.8 |
| 37.5° | 1520.0 | 1533.9 | 1547.9 | 1564.1 | 1581.0 | 1594.3 | 1604.1 | 1611.6 | 1612.5 | 1613.4 | 1612.5 |
| 40° | 1345.5 | 1354.8 | 1364.2 | 1377.9 | 1393.0 | 1405.4 | 1415.2 | 1422.8 | 1423.7 | 1424.5 | 1423.7 |
| 42.5° | 1151.8 | 1157.6 | 1163.4 | 1178.8 | 1197.5 | 1212.8 | 1224.7 | 1229.4 | 1212.5 | 1195.7 | 1212.5 |
| 45° | 718.3 | 783.6 | 849.0 | 879.3 | 898.0 | 905.1 | 900.7 | 886.6 | 843.4 | 800.3 | 843.4 |
| 47.5° | 340.9 | 409.7 | 478.4 | 541.0 | 601.6 | 612.0 | 572.4 | 528.2 | 470.6 | 413.0 | 470.6 |
| 50° | 212.1 | 235.6 | 259.2 | 332.1 | 421.5 | 435.5 | 374.1 | 317.5 | 274.8 | 232.1 | 274.8 |
| 52.5° | 142.5 | 154.3 | 166.1 | 221.2 | 290.6 | 297.0 | 240.2 | 192.5 | 171.9 | 151.3 | 171.9 |
| 55° | 74.0 | 77.6 | 81.1 | 105.0 | 135.7 | 136.8 | 108.4 | 85.4 | 78.7 | 72.0 | 78.7 |
| 57.5° | 25.0 | 32.0 | 39.1 | 49.2 | 60.4 | 60.3 | 48.8 | 38.6 | 32.2 | 25.8 | 32.2 |
| 60° | 1.0 | 5.9 | 10.8 | 20.7 | 32.2 | 33.3 | 24.0 | 15.7 | 10.3 | 5.0 | 10.3 |
| 62.5° | 1.0 | 2.0 | 3.0 | 9.5 | 17.8 | 18.2 | 10.7 | 4.6 | 3.2 | 1.8 | 3.2 |
| 65° | 0.0 | 0.4 | 0.9 | 1.3 | 1.8 | 1.8 | 1.3 | 0.9 | 0.4 | 0.0 | 0.4 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.8 | 0.8 | 0.7 | 0.4 | 0.0 | 0.4 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 5.6 | 5.8 | 5.8 | 5.2 | 5.2 | 5.0 | 4.2 | 3.4 | 2.0 | 0.8 | 1.8 |
| 90° | 28.0 | 29.0 | 29.0 | 26.0 | 26.0 | 25.0 | 21.0 | 17.0 | 10.0 | 4.0 | 9.0 |
| 92.5° | 34.4 | 33.8 | 33.8 | 32.4 | 30.8 | 28.2 | 23.4 | 22.6 | 24.4 | 15.2 | 25.8 |
| 95° | 31.0 | 31.0 | 30.0 | 30.0 | 35.0 | 44.0 | 65.0 | 71.0 | 46.0 | 41.0 | 59.0 |
| 97.5° | 71.0 | 75.6 | 84.2 | 97.2 | 119.4 | 127.4 | 117.8 | 88.8 | 84.0 | 81.0 | 107.8 |
| 100° | 135.0 | 146.0 | 157.0 | 170.0 | 197.0 | 161.0 | 125.0 | 120.0 | 112.0 | 113.0 | 143.0 |
| 102.5° | 235.8 | 236.4 | 241.0 | 246.0 | 193.8 | 171.4 | 165.8 | 159.2 | 146.4 | 146.6 | 177.4 |
| 105° | 321.0 | 300.0 | 262.0 | 236.0 | 232.0 | 236.0 | 236.0 | 221.0 | 195.0 | 196.0 | 228.0 |
| 107.5° | 309.8 | 307.4 | 309.0 | 310.0 | 316.4 | 317.8 | 309.2 | 282.2 | 255.4 | 249.8 | 282.2 |
| 110° | 365.0 | 365.0 | 369.0 | 370.0 | 378.0 | 373.0 | 362.0 | 327.0 | 293.0 | 285.0 | 315.0 |

TEST NUMBER: P709296

CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 425.0 | 425.8 | 427.4 | 432.4 | 436.4 | 429.0 | 411.6 | 373.4 | 334.6 | 318.6 | 347.8 |
| 115° | 522.0 | 521.0 | 521.0 | 525.0 | 523.0 | 515.0 | 489.0 | 445.0 | 395.0 | 373.0 | 398.0 |
| 117.5° | 614.2 | 609.2 | 610.4 | 608.8 | 611.8 | 595.8 | 565.2 | 511.4 | 457.8 | 427.2 | 445.6 |
| 120° | 675.0 | 670.0 | 672.0 | 672.0 | 671.0 | 651.0 | 614.0 | 561.0 | 501.0 | 464.0 | 476.0 |
| 122.5° | 734.2 | 730.8 | 731.2 | 728.8 | 726.2 | 707.0 | 663.6 | 608.2 | 542.6 | 496.8 | 504.0 |
| 125° | 818.0 | 820.0 | 814.0 | 814.0 | 805.0 | 786.0 | 740.0 | 681.0 | 610.0 | 553.0 | 549.0 |
| 127.5° | 897.2 | 900.0 | 894.0 | 890.4 | 883.4 | 854.8 | 812.8 | 753.6 | 677.4 | 610.4 | 594.4 |
| 130° | 950.0 | 952.0 | 950.0 | 940.0 | 929.0 | 902.0 | 860.0 | 804.0 | 723.0 | 652.0 | 624.0 |
| 132.5° | 1002.8 | 1007.2 | 997.2 | 989.6 | 973.0 | 945.2 | 904.0 | 849.6 | 768.6 | 691.2 | 656.0 |
| 135° | 1079.0 | 1076.0 | 1066.0 | 1054.0 | 1037.0 | 1010.0 | 972.0 | 915.0 | 838.0 | 752.0 | 707.0 |
| 137.5° | 1135.4 | 1135.8 | 1126.0 | 1112.8 | 1095.4 | 1070.2 | 1034.2 | 980.6 | 902.2 | 818.0 | 760.2 |
| 140° | 1173.0 | 1171.0 | 1162.0 | 1148.0 | 1133.0 | 1107.0 | 1075.0 | 1023.0 | 943.0 | 862.0 | 797.0 |
| 142.5° | 1199.4 | 1201.4 | 1194.0 | 1182.4 | 1165.0 | 1142.2 | 1109.4 | 1057.4 | 987.0 | 902.8 | 834.6 |
| 145° | 1244.0 | 1244.0 | 1237.0 | 1229.0 | 1213.0 | 1187.0 | 1162.0 | 1111.0 | 1044.0 | 964.0 | 889.0 |
| 147.5° | 1280.4 | 1281.0 | 1276.6 | 1267.2 | 1251.6 | 1229.2 | 1204.0 | 1158.4 | 1096.2 | 1022.2 | 949.4 |
| 150° | 1302.0 | 1305.0 | 1299.0 | 1292.0 | 1278.0 | 1254.0 | 1232.0 | 1188.0 | 1129.0 | 1063.0 | 987.0 |
| 152.5° | 1322.8 | 1326.6 | 1321.4 | 1312.8 | 1298.8 | 1274.8 | 1256.0 | 1212.8 | 1157.8 | 1096.6 | 1023.8 |
| 155° | 1353.0 | 1356.0 | 1352.0 | 1344.0 | 1328.0 | 1306.0 | 1289.0 | 1249.0 | 1200.0 | 1144.0 | 1079.0 |
| 157.5° | 1375.4 | 1380.2 | 1374.4 | 1367.2 | 1350.0 | 1330.6 | 1314.6 | 1277.4 | 1233.6 | 1186.8 | 1128.8 |
| 160° | 1389.0 | 1393.0 | 1388.0 | 1380.0 | 1362.0 | 1345.0 | 1329.0 | 1295.0 | 1256.0 | 1210.0 | 1160.0 |
| 162.5° | 1397.8 | 1404.2 | 1398.4 | 1389.6 | 1370.8 | 1354.6 | 1341.0 | 1308.6 | 1272.8 | 1234.0 | 1188.0 |
| 165° | 1408.0 | 1413.0 | 1408.0 | 1399.0 | 1380.0 | 1366.0 | 1355.0 | 1327.0 | 1296.0 | 1264.0 | 1225.0 |
| 167.5° | 1408.0 | 1414.2 | 1409.4 | 1401.6 | 1381.6 | 1370.8 | 1362.4 | 1339.0 | 1313.2 | 1286.6 | 1257.6 |
| 170° | 1404.0 | 1411.0 | 1407.0 | 1400.0 | 1380.0 | 1370.0 | 1364.0 | 1343.0 | 1322.0 | 1301.0 | 1276.0 |
| 172.5° | 1396.8 | 1403.8 | 1399.0 | 1392.8 | 1372.8 | 1366.0 | 1362.4 | 1345.4 | 1327.6 | 1310.6 | 1290.4 |
| 175° | 1376.0 | 1385.0 | 1382.0 | 1375.0 | 1360.0 | 1355.0 | 1356.0 | 1344.0 | 1332.0 | 1322.0 | 1309.0 |
| 177.5° | 1348.2 | 1354.6 | 1351.4 | 1349.8 | 1337.8 | 1336.2 | 1341.8 | 1336.2 | 1330.6 | 1326.6 | 1321.0 |
| 180° | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 |

TEST NUMBER: P709296

CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 | 2670.0 |
| 2.5° | 2677.2 | 2669.5 | 2660.2 | 2660.4 | 2670.0 | 2676.1 | 2671.9 | 2667.6 |
| 5° | 2677.7 | 2669.3 | 2659.1 | 2661.1 | 2675.3 | 2684.9 | 2680.5 | 2676.0 |
| 7.5° | 2676.8 | 2670.7 | 2662.8 | 2664.4 | 2675.6 | 2682.8 | 2677.7 | 2672.6 |
| 10° | 2682.5 | 2673.3 | 2660.5 | 2659.8 | 2671.3 | 2679.0 | 2675.0 | 2671.0 |
| 12.5° | 2689.8 | 2677.1 | 2658.5 | 2653.7 | 2662.8 | 2668.2 | 2662.4 | 2656.6 |
| 15° | 2694.6 | 2676.7 | 2649.6 | 2636.0 | 2636.0 | 2634.2 | 2627.1 | 2620.0 |
| 17.5° | 2668.1 | 2645.4 | 2611.3 | 2589.7 | 2580.7 | 2571.6 | 2562.1 | 2552.6 |
| 20° | 2635.7 | 2609.7 | 2570.5 | 2544.5 | 2531.6 | 2519.4 | 2509.2 | 2498.9 |
| 22.5° | 2582.9 | 2556.3 | 2516.5 | 2489.2 | 2474.5 | 2461.0 | 2450.8 | 2440.5 |
| 25° | 2476.8 | 2448.3 | 2407.4 | 2382.2 | 2372.9 | 2363.0 | 2351.4 | 2339.9 |
| 27.5° | 2332.2 | 2309.7 | 2277.9 | 2253.9 | 2237.5 | 2222.6 | 2212.2 | 2201.8 |
| 30° | 2223.0 | 2203.5 | 2176.4 | 2153.9 | 2136.1 | 2119.6 | 2106.7 | 2093.8 |
| 32.5° | 2089.7 | 2074.7 | 2055.0 | 2036.1 | 2018.0 | 2001.3 | 1989.1 | 1977.0 |
| 35° | 1867.9 | 1859.4 | 1849.6 | 1834.9 | 1815.4 | 1797.3 | 1784.0 | 1770.7 |
| 37.5° | 1611.6 | 1604.1 | 1594.3 | 1581.0 | 1564.1 | 1547.9 | 1533.9 | 1520.0 |
| 40° | 1422.8 | 1415.2 | 1405.4 | 1393.0 | 1377.9 | 1364.2 | 1354.8 | 1345.5 |
| 42.5° | 1229.4 | 1224.7 | 1212.8 | 1197.5 | 1178.8 | 1163.4 | 1157.6 | 1151.8 |
| 45° | 886.6 | 900.7 | 905.1 | 898.0 | 879.3 | 849.0 | 783.6 | 718.3 |
| 47.5° | 528.2 | 572.4 | 612.0 | 601.6 | 541.0 | 478.4 | 409.7 | 340.9 |
| 50° | 317.5 | 374.1 | 435.5 | 421.5 | 332.1 | 259.2 | 235.6 | 212.1 |
| 52.5° | 192.5 | 240.2 | 297.0 | 290.6 | 221.2 | 166.1 | 154.3 | 142.5 |
| 55° | 85.4 | 108.4 | 136.8 | 135.7 | 105.0 | 81.1 | 77.6 | 74.0 |
| 57.5° | 38.6 | 48.8 | 60.3 | 60.4 | 49.2 | 39.1 | 32.0 | 25.0 |
| 60° | 15.7 | 24.0 | 33.3 | 32.2 | 20.7 | 10.8 | 5.9 | 1.0 |
| 62.5° | 4.6 | 10.7 | 18.2 | 17.8 | 9.5 | 3.0 | 2.0 | 1.0 |
| 65° | 0.9 | 1.3 | 1.8 | 1.8 | 1.3 | 0.9 | 0.4 | 0.0 |
| 67.5° | 0.7 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.2 | 4.6 | 6.2 | 8.4 | 10.0 | 11.2 | 11.8 | 12.6 |
| 90° | 16.0 | 23.0 | 31.0 | 42.0 | 50.0 | 56.0 | 59.0 | 63.0 |
| 92.5° | 36.8 | 51.0 | 62.2 | 75.6 | 90.0 | 97.6 | 102.2 | 103.8 |
| 95° | 85.0 | 103.0 | 126.0 | 146.0 | 164.0 | 176.0 | 183.0 | 181.0 |
| 97.5° | 131.8 | 165.4 | 191.6 | 214.8 | 235.8 | 250.2 | 261.6 | 260.6 |
| 100° | 171.0 | 199.0 | 234.0 | 262.0 | 283.0 | 299.0 | 312.0 | 315.0 |
| 102.5° | 210.2 | 236.6 | 274.8 | 306.0 | 330.2 | 347.8 | 357.6 | 367.0 |
| 105° | 265.0 | 302.0 | 331.0 | 369.0 | 394.0 | 417.0 | 424.0 | 434.0 |
| 107.5° | 322.4 | 363.0 | 395.2 | 426.8 | 456.4 | 475.6 | 490.6 | 498.6 |
| 110° | 360.0 | 399.0 | 440.0 | 470.0 | 498.0 | 518.0 | 533.0 | 541.0 |

TEST NUMBER: P709296

CATALOG NUMBER: DL2W-BB-M-100U-100D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 393.6 | 436.6 | 480.8 | 514.0 | 539.6 | 562.8 | 575.4 | 584.2 |
| 115° | 443.0 | 490.0 | 534.0 | 577.0 | 602.0 | 620.0 | 631.0 | 638.0 |
| 117.5° | 488.2 | 537.2 | 580.0 | 623.4 | 654.6 | 667.8 | 672.0 | 677.2 |
| 120° | 517.0 | 566.0 | 608.0 | 649.0 | 685.0 | 699.0 | 708.0 | 714.0 |
| 122.5° | 542.6 | 591.6 | 636.0 | 674.6 | 709.0 | 728.6 | 739.2 | 746.8 |
| 125° | 582.0 | 628.0 | 674.0 | 715.0 | 743.0 | 764.0 | 778.0 | 785.0 |
| 127.5° | 615.2 | 659.4 | 706.6 | 746.0 | 776.2 | 798.4 | 810.0 | 815.4 |
| 130° | 640.0 | 677.0 | 725.0 | 766.0 | 797.0 | 820.0 | 830.0 | 833.0 |
| 132.5° | 664.0 | 693.8 | 739.4 | 782.8 | 813.8 | 834.4 | 845.2 | 848.2 |
| 135° | 701.0 | 718.0 | 758.0 | 800.0 | 832.0 | 853.0 | 863.0 | 869.0 |
| 137.5° | 741.8 | 746.2 | 771.0 | 812.2 | 845.2 | 865.4 | 875.4 | 879.0 |
| 140° | 769.0 | 767.0 | 783.0 | 817.0 | 850.0 | 871.0 | 881.0 | 883.0 |
| 142.5° | 797.8 | 789.4 | 795.0 | 822.6 | 852.4 | 872.6 | 883.4 | 886.2 |
| 145° | 846.0 | 828.0 | 821.0 | 835.0 | 857.0 | 874.0 | 886.0 | 888.0 |
| 147.5° | 897.8 | 868.8 | 853.0 | 855.6 | 867.6 | 879.6 | 889.0 | 889.2 |
| 150° | 933.0 | 900.0 | 877.0 | 874.0 | 878.0 | 886.0 | 893.0 | 894.0 |
| 152.5° | 966.6 | 931.2 | 903.4 | 895.6 | 893.2 | 898.0 | 901.0 | 901.2 |
| 155° | 1023.0 | 985.0 | 949.0 | 932.0 | 925.0 | 923.0 | 922.0 | 919.0 |
| 157.5° | 1076.4 | 1036.0 | 996.2 | 977.8 | 966.6 | 960.4 | 955.8 | 952.6 |
| 160° | 1110.0 | 1068.0 | 1029.0 | 1009.0 | 997.0 | 990.0 | 983.0 | 979.0 |
| 162.5° | 1144.4 | 1104.8 | 1065.0 | 1041.8 | 1029.8 | 1022.0 | 1014.2 | 1007.8 |
| 165° | 1190.0 | 1157.0 | 1117.0 | 1092.0 | 1077.0 | 1072.0 | 1065.0 | 1060.0 |
| 167.5° | 1230.0 | 1204.4 | 1168.6 | 1145.0 | 1133.6 | 1124.4 | 1117.4 | 1108.4 |
| 170° | 1254.0 | 1234.0 | 1199.0 | 1177.0 | 1172.0 | 1162.0 | 1155.0 | 1146.0 |
| 172.5° | 1273.2 | 1257.2 | 1229.4 | 1211.4 | 1207.2 | 1201.2 | 1195.8 | 1188.4 |
| 175° | 1299.0 | 1291.0 | 1270.0 | 1257.0 | 1257.0 | 1255.0 | 1254.0 | 1245.0 |
| 177.5° | 1317.0 | 1313.0 | 1301.0 | 1294.6 | 1300.2 | 1301.8 | 1297.8 | 1290.6 |
| 180° | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 | 1325.0 |

(END OF REPORT)